

# Archdiocese of Baltimore

## *Creating and Effectively Using a Teaching Webpage Using Web 2.0*

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**Course Number:** MSDE #06-66-16

**Credits:** 3 CPD credits

**Semester:** Spring 2010

**Instructor:** Paul Kellermann

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**Location:** Mount Saint Joseph High School  
Room 116 in Saint Joseph's Hall (basement)

**Class Time:** Thursdays on January 28, February 4, 11, 18, 25, from 4:00 – 7:00 pm  
Five (5) in-class meetings plus online work.

**Prerequisites:** Familiarity with the Windows Environment  
Ability to use a web browser and email

### **Overview:**

This course will expose students to a range of Web 2.0 applications including blogs, wikis, podcasts with the program Audacity, RSS feeds, social bookmarking, and image sharing. Discussion and reflection on how to and ways to implement these technologies for K-12 student collaboration and creativity are important elements of the course.

### **Learning Theory:**

The children we teach at the K-12 level are digital natives while most teachers, especially veterans, are digital immigrants. We must adapt to the learning styles and skills of today's students. Students have "digital lifestyle expectations" that allow them to process information and multitask more easily than adults. They expect multimedia, the Internet and Web, and instant communication in their daily lives. Teachers who leverage this certainty may create a learning environment that engages learners and is rich with possibilities.

**Learning Outcomes:**

Through analysis and hands-on experience with each tool students should be able to:

- Describe applications and uses of the various Web 2.0 tools we will study
- Identify features, benefits, strengths, limitations, and resources of each of the tools and how the tools are integrated to create a final product
- Demonstrate the capacity to use the Web 2.0 tools presented in the course by completing lab work and creating a small Web 2.0 e-learning platform
- Create a sample lesson or unit incorporating *some* of the Web 2.0 tools

**Course Design:**

Students will gain firsthand experience in using several Web 2.0 tools in this lab-based course. It is a survey course that introduces fundamental concepts of each tool, and sometimes bells and whistles too. Student work will be published to the Web via the Wikispaces wiki service.

Students are provided a demonstration and guided practice of each of the steps then opportunities for practice using the products to create a final project.

**Course Evaluation Methods:**

- Successful completion of each of the lab exercises – 60% of grade
- Course Project – Web 2.0 portal – 30% of grade
- Participation/Homework – 10% of grade
- Attendance – one excused absence permitted unless there are extenuating circumstances at the discretion of the instructor and the program director.

**Required Supplies:**

- A USB Flash drive – 512MB+
- An Internet-enabled computer system at home
- A consumer-end digital camera with video clip capability (entirely optional)

## **Course Schedule:**

### **1/28: Introduction/Ning/Diigo**

Introduction: Greetings, Course Goals, Expectations  
Web 2.0 discussion/Bloom's  
Ning – PLN (Personal or Private Learning Network)  
Diigo – social bookmarking  
Tagging  
Groups in Diigo and subscribing

### **2/4: Blogs/RSS/iGoogle**

Discuss Blogs  
Work on Blog appearance  
Insert images  
Embed MSJ Announcement/News feed/Video  
Embed Diigo tag cloud  
Discuss RSS (Really Simple Syndication)  
Following Blogs with Blogger and Reader  
Add educational blog feeds and own blog to Reader and organize feeds  
Add 2 classmates' feeds to your Reader  
Skype call with Christine Zurkowski from John Carroll – blogging in her English class, and a mention of google docs

### **2/11 Wikis and Google Shared Docs**

Join class wiki  
Create own wiki – use teacher account  
Adding pages, editing navigation, customizing  
Uploading and accessing files  
Embedding images, video, Google Map, widgets (google doc)  
Introduce Teacher Tube, Vimeo, Blip.tv  
Google shared docs  
Add shared docs to iGoogle page

### **2/18: Podcasting**

Create account through Podbean  
Create podcast (audio blog) feed and customize  
Use Audacity for recording voice and creating MP3  
Create new MP3 and episode and upload to Podbean and wikispaces

### **Image Sharing**

Create Picasa account

Picasa/Flickr: image management and sharing on the Web

Embed Picasa slideshow in wiki or blog

### **2/25: Wrap-up**

Lessons Learned and Best Practices. Presentations and Party!

### **Lab Work Evaluation (60%):**

<b>Deliverable / Category</b>	<b>Point Value</b>	<b>Comments</b>
Blog	10	For blogging outside of our Ning
iGoogle	5	Custom Web homepage
Google Shared Docs	10	
Wiki	15	A powerful read-write Web application.
Podcast	10	You will create at least two episodes
Diigo – social bookmarks	5	Share bookmarks
Picasa – image sharing	5	Share images and create slideshows

### **Homework (10%):**

Blog entries: At least two original posts each week, a reflection on what we did in that class. Write a summary of personal learning; ask yourself, “What did I get out of the lesson and (how) could I use the technology in my teaching after this course?” If you do not believe it is useful for your objectives, so state. Reply to at least two classmates’ posts. Also, comment to my blog posts. There are also Web readings, videos to watch, and other resources to access outside of class. You will also enhance work you start in class.

### **Project – Teacher Web Portal (30%):**

Create a web portal (wiki: must have a web site) and a lesson plan for using any of the technologies we explore in class. Your wiki will already be created in class. Incorporate at least one application into your wiki (podcast, blog, RSS, bookmarking, image sharing). Your lesson plan may be a daily plan or a unit plan since the use of your site should not be limited to one activity. It is important to preview the activities we will do later in the course so you may consider including them in your project.

At the conclusion of the course students will present their projects to classmates.